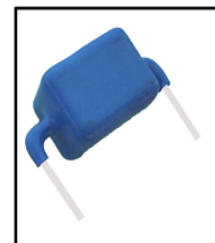


特性/机械性能:

FEATURES/MECHANICAL DATE

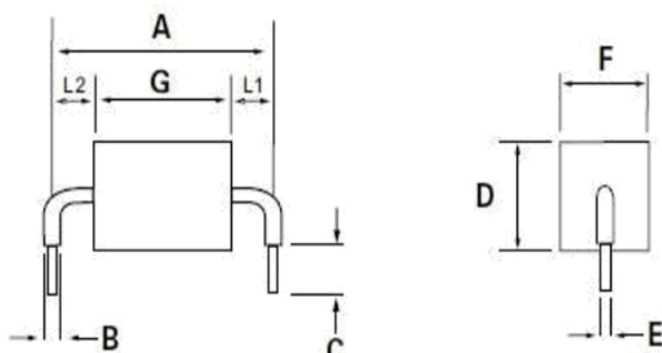
- ◆Glass passivated chip junction
- ◆1000A surge capability at 8 x 20μsec waveform (per IEC-61000-4-5)
- ◆Excellent clamping capability
- ◆Repetition rate (duty cycle) : 0.05%
- ◆Low incremental surge resistance
- ◆Fast response time: typically less than 1.0μs from 0 Volts to BV
- ◆Operation temperature: -40°C~125°C
- ◆Expoxy encapsulated has Underwriters Laboratory Flammability Classification 94V-0



AK6

产品外形尺寸:

PRODUCT APPEARANCE SIZE



Dimensions	Inches	Millimeters
A	0.950	24.15
B	0.095	2.4
C - 058C/076C	0.236	6.00
C	0.145	3.68
D	0.570 max.	14.48 max.
E	0.050	1.270
F	0.500 max.	12.70 max.
G - 058C/076C	0.200	5.08
G - 170C/190C	0.320	8.13
G - 240C	0.370	9.4
G - 380C/430C	0.543	13.8
L1	0.310	7.87
L1 - 380C/430C	0.150	3.81

L2= A - (G+L1) tolerance +/- 0.04 inch (1.0 mm)

最大额定值及电气特性:

MAXIMUM RATINGS AND CHARACTERISTICS

PAPT NUMBER	REVERSE STAND-OFF VOLTAGE	BREAKDOWN VOLTAGE MIN.@IT	BREAKDOW VOLTAGE MAX.@IT	TEST CURRENT	MAXIMUM CLAMPING VOLTAGE@Ipp	PEAK PULSE CURRENT@ 8*20us wave form	REVERSE LEAKAGE @ VRWM
BI-POLAR	VRWM(V)	VBR min(v)	VBR max(v)	IT(mA)	Vc(v)	Ipp(A)	IR(μA)
AK6-058C	58.0	64.0	70.0	10	110.0	6000	10
AK6-076C	76.0	85.0	95.0	10	140.0	6000	10
AK6-170C	170.0	189.7	210.0	10	260.0	6000	10
AK6-190C	190.0	200.0	245.0	10	290.0	6000	10
AK6-240C	240.0	254.1	280.8	10	340.0	6000	10
AK6-380C	380.0	401.0	443.0	10	520.0	6000	10
AK6-430C	430.0	440.0	490.0	10	625.0	6000	10

特性/机械性能:

FEATURES/MECHANICAL DATA

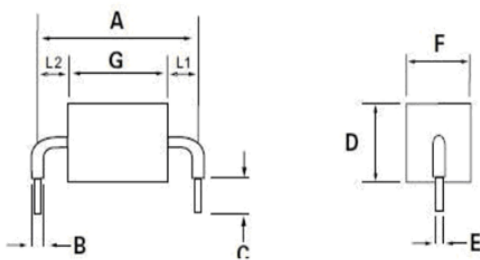
- ◆ Glass passivated chip junction
- ◆ 1000A surge capability at 8 x 20μsec waveform (per IEC-61000-4-5)
- ◆ Excellent clamping capability
- ◆ Repetition rate (duty cycle) : 0.05%
- ◆ Low incremental surge resistance
- ◆ Fast response time: typically less than 1.0μs from 0 Volts to BV
- ◆ Operation temperature: -40℃~125℃
- ◆ Epoxy encapsulated has Underwriters Laboratory Flammability Classification 94V-0



AK10

产品外形尺寸:

PRODUCT APPEARANCE SIZE



Dimensions	Inches	Millimeters
A	0.950	24.15
B	0.095	2.4
C - 058C/076C	0.236	6.00
C	0.145	3.68
D	0.570 max.	14.48 max.
E	0.050	1.270
F	0.500 max.	12.70 max.
G - 058C/076C	0.200	5.08
G - 170C/190C	0.362	9.2
G - 240C	0.420	10.67
G - 380C/430C	0.650	16.50
L1	0.310	7.87
L1 - 380C/430C	0.177	4.5

L2 = A - (G + L1) tolerance +/- 0.04 inch (1.0 mm)

最大额定值及电气特性:

MAXIMUM RATINGS AND CHARACTERISTICS

PAPT NUMBER	REVERSE STAND-OFF VOLTAGE	BREAKDOWN VOLTAGE MIN.@IT	BREAKDOWN VOLTAGE MAX.@IT	TEST CURRENT	MAXIMUM CLAMPING VOLTAGE@Ipp	PEAK PULSE CURRENT@ 8*20us wave form	REVERSE LEAKAGE @ VRWM
BI-POLAR	VRWM(V)	VBR min(v)	VBR max(v)	IT(mA)	Vc(v)	Ipp(A)	IR(μA)
AK10-058C	58.0	64.0	70.0	10	110.0	10000	10
AK10-076C	76.0	85.5	94.5	10	140.0	10000	10
AK10-170C	170.0	189.7	210.0	10	260.0	10000	10
AK10-190C	190.0	200.0	245.0	10	290.0	10000	10
AK10-220C	220.0	230.0	270.0	10	330.0	10000	10
AK10-240C	240.0	254.1	280.8	10	340.0	10000	10
AK10-250C	250.0	263.2	290.9	10	413.0	10000	20
AK10-380C	380.0	401.0	443.0	10	520.0	10000	10
AK10-430C	430.0	440.0	490.0	10	625.0	10000	10
AK10-530C	530.0	559.0	618.0	10	725.0	10000	10

特性/机械性能:

FEATURES/MECHANICAL DATE

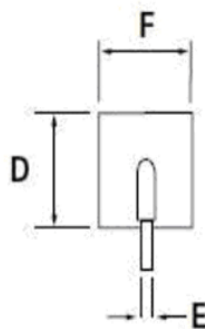
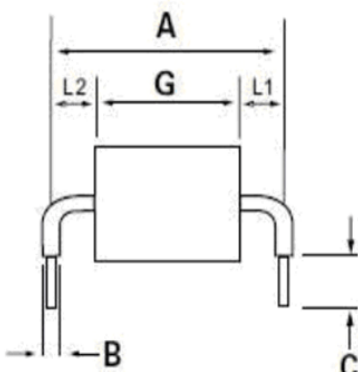
- ◆Glass passivated chip junction
- ◆1000A surge capability at 8 x 20μsec waveform (per IEC-61000-4-5)
- ◆Excellent clamping capability
- ◆Repetition rate (duty cycle) : 0.05%
- ◆Low incremental surge resistance
- ◆Fast response time: typically less than 1.0μs from 0 Volts to BV
- ◆Operation temperature: -40°C~125°C
- ◆Expoxy encapsulated has Underwriters Laboratory Flammability Classification 94V-0



AK15

产品外形尺寸:

PRODUCT APPEARANCE SIZE



Dimensions	Inches	Millimeters
A	0.95±0.03	24.15±0.8
B	0.095±0.024	2.4±0.60
C	0.236±0.04	6.00±1.0
D	0.630±0.055	16.0±1.4
E	0.050±0.002	1.27±0.05
F	0.571±0.055	14.5±1.4
G	0.351±0.047	8.91±1.20
L1	0.310±0.047	7.87±1.20
L2	L2= A - (G + L1), Tolerance ±0.047	L2= A - (G + L1), Tolerance ±1.20

最大额定值及电气特性:

MAXIMUM RATINGS AND CHARACTERISTICS

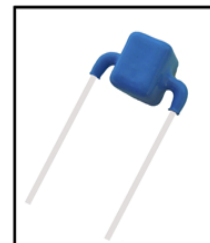
PAPT NUMBER	REVERSE STAND-OFF VOLTAGE	BREAKDOWN VOLTAGE MIN.@IT	BREAKDOW VOLTAGE MAX.@IT	TEST CURRENT	MAXIMUM CLAMPING VOLTAGE@Ipp	PEAK PULSE CURRENT@ 8*20us wave form	REVERSE LEAKAGE @ VRWM
BI-POLAR	VRWM(V)	VBR min(v)	VBR max(v)	IT(mA)	Vc(v)	Ipp(A)	IR(μA)
AK15-058C	58.0	64.0	70.0	10	110.0	15000	10
AK15-076C	76.0	85.5	95.0	10	150.0	15000	10

[**MAX**] Transient Voltage Suppressor 瞬变电压抑制二极管 **TVS**

特性/机械性能:

FEATURES/MECHANICAL DATE

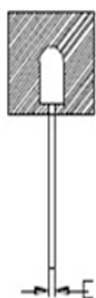
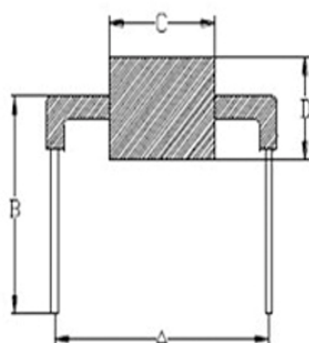
- ◆Glass passivated chip junction
- ◆1000A surge capability at 8 x 20μsec waveform (per IEC-61000-4-5)
- ◆Excellent clamping capability
- ◆Repetition rate (duty cycle) : 0.05 %
- ◆Low incremental surge resistancem
- ◆Fast response time: typically less than 1.0μs from 0 Volts to BV
- ◆Operation temperature: -40℃~125℃
- ◆Epoxy encapsulated has Underwriters Laboratory Flammability Classification 94V-0



MAX

产品外形尺寸:

PRODUCT APPEARANCE SIZE



DIM	mm		inch	
	min	max	min	max
A	Have different size according to the detail Part Number.			
B	20.00	-----	0.7874	-----
C	Have different size according to the detail Part Number.			
D	-----	14.00	-----	0.5512
E	1.23	1.33	0.0484	0.0524

最大额定值及电气特性:

MAXIMUM RATINGS AND CHARACTERISTICS

PAPT NUMBER	REVERSE STAND-OFF VOLTAGE	BREAKDOWN VOLTAGE MIN.@IT	BREAKDOWN VOLTAGE MAX.@IT	TEST CURRENT	MAXIMUM CLAMPING VOLTAGE@Ipp	PEAK PULSE CURRENT@ 10*1000us wave form	PEAK PULSE CURRENT@ 8*20us wave form	REVERSE LEAKAGE @ VRWM
BI-POLAR	VRWM(V)	VBR min(v)	VBR max(v)	IT(mA)	Vc(v)	Ipp(A)	Ipp(A)	IR(μA)
MAX-25	22.50	23.75	26.25	1	33.3	721.8	12000.0	100
MAX-30	27.00	28.50	31.50	1	39.9	902.3	12000.0	150
MAX-37.5	33.75	35.63	39.38	50	49.9	1403.3	14000.0	2000
MAX-40	36.00	38.00	42.00	1	53.2	902.3	12000.0	150